

WHAT IS CLAIMED IS:

1. A method of fabricating a foil for an electric razor, comprising the steps of:
 - providing a substrate including a combustible surface;
 - generating a foil plan form onto the combustible surface with a zirconia based ink such that flow of the ink under surface tension forces generates sharp edges to the foil; and
 - firing the foil plan form to burn away the combustible surface such that zirconia forms a durable foil that maintains sharpness over repeated use.
- 5 2. A method as defined in claim 1, wherein the step of generating includes screen printing the foil plan form onto the combustible surface.
3. A method as defined in claim 1, wherein the step of generating includes vacuum forming the foil plan form onto the combustible surface.
4. A method as defined in claim 1, wherein the zirconia based ink includes partially stabilized zirconia.
5. A method as defined in claim 1, wherein the zirconia based ink includes fully stabilized zirconia.
6. A method as defined in claim 1, wherein the combustible surface is hydrophilic.
7. A method as defined in claim 1, wherein the combustible surface is a plastic film of high surface finish.

8. A method of fabricating a blade for a wet shave razor, comprising the steps of:

providing a substrate including a combustible surface;

5 generating a zirconia based ink onto the combustible surface such that the ink wets the substrate and edges of the ink slightly to form a plurality of sharply pointed meniscus to serve as cutting surfaces; and

firing the ink to burn away the combustible surface and to harden a rounded, sharp edge on the plurality of meniscus.

9. A method as defined in claim 8, wherein the step of generating includes screen printing the zirconia based ink onto the combustible surface.

10. A method as defined in claim 8, wherein the zirconia based ink includes partially stabilized zirconia.

11. A method as defined in claim 8, wherein the zirconia based ink includes fully stabilized zirconia.

12. A method as defined in claim 8, wherein the combustible surface is hydrophilic.

13. A method as defined in claim 8, wherein the combustible surface is a plastic film of high surface finish.

14. A method as defined in claim 8, wherein the sharp edges of the meniscus have an edge radius of about 50 nanometers or less.

15. A blade for a wet shave razor comprising a substrate curved along a direction of blade movement to conform to a contour of the skin of a user, the blade substrate defining a plurality of holes each having a periphery, a leading portion of the holes in the direction of blade movement serving as a guard, and a
5 trailing portion of the holes serving as a cutting edge.

16. A blade for a wet shave razor as defined in claim 15, wherein the substrate includes zirconia.

17. A blade for a wet shave razor as defined in claim 15, wherein the zirconia is partially stabilized.

18. A blade for a wet shave razor as defined in claim 15, wherein the zirconia is fully stabilized.

19. A blade for a wet shave razor as defined in claim 15, wherein each of the holes is generally rectangular.

20. A blade for a wet shave razor as defined in claim 15, wherein each of the holes is generally diamond-shaped or partially diamond-shaped.

21. A blade for a wet shave razor as defined in claim 15, wherein the holes defined by the substrate are arranged in an array.

22. A blade for a wet shave razor as defined in claim 21, wherein the array includes columns along a direction of blade movement, and wherein adjacent columns are staggered in relation to one another.

23. A blade for a wet shave razor as defined in claim 15, wherein the portion of the holes serving as a guard become the portion of the holes serving as a cutting edge when the direction of blade movement is reversed, and wherein the portion of the holes serving as a cutting edge becomes the portion of the holes serving as a guard when the direction of blade movement is reversed.